

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/17782

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) : B6+C 1/14 US CL : 244/129.4-129.5 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 244/129.4-129.5 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) NONE		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,199,369 A (MEYER ET AL) 06 APRIL 1993 (06/04/1993) SEE FIGURE 1	6-7,9-13,19-20
X	US 2001/0025903 A1 (WEBER ET AL) 04 OCTOBER 2001 (04/10/2001) SEE FIGURE 6	1-5,8
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Y		6-7,9-20
Y,E	US 6,415,191 B1 (PRYOR) 02 JULY 2002 (02/07/2002) SEE FIGURE 3A	14-18
A,E	US 6,554,226 B2 (BOLD ET AL) 29 APRIL 2003 (29/04/2003) SEE FIGURE 1	14-18
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document published on or after the international filing date "L" document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "A" document member of the same patent family		
Date of the actual completion of the international search 03 NOVEMBER 2003		Date of mailing of the international search report 24 NOV 2003
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